

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)			Docket Number (Optional) 3592.10US (97-0321.10/US)	Application Number Not yet assigned		
			Applicant David R. Hembree	10/792 244		
			Filing Date March 3, 2004	Group Art Unit Unknown 2813		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JHM</i>	4,024,570	05/1977	Hartmann et al.			
	4,059,467	11/1977	Mancke et al.			
	4,059,708	11/1977	Heiss, Jr. et al.			
	4,081,825	03/1978	Koopman et al.			
	4,143,456	03/1979	Inoue			
	4,264,917	04/1981	Ugon			
	4,300,153	11/1981	Hayakawa et al.			
	4,323,914	04/1982	Berndlmaier et al.			
	4,358,552	11/1982	Shinohara et al.			
	4,507,675	03/1985	Fujii et al.			
<i>JHM</i>	4,602,678	07/1986	Fick			
	4,628,406	12/1986	Smith et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						YES
<i>JHM</i>	52-77684	06/1977	Japan			
	55-128835	10/1980	Japan			
	56-4241	01/1981	Japan			
	60-94744	05/1985	Japan			
<i>JHM</i>	60-178651	09/1985	Japan			
OTHER DOCUMENTS						
(Including Author, Title, Date, Pertinent Pages, Etc.)						
<i>JHM</i>	Crum, <i>Trends in Advanced Component Technologies</i> , Electronic Packaging & Production (January 1998) pages 48-53.					
	Lawing, <i>Vacuum Dispensing of Encapsulants for μBGA Manufacturing</i> , Electronic Packaging & Production (February 1998), pages 87-91.					
<i>JHM</i>	Markstein, <i>Cooling Techniques for Today's Electronics</i> , Electronic Packaging & Production (November 1997), pages 78-82.					
EXAMINER	DATE CONSIDERED					
<i>Z. Hembree</i>	11/27/04					
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JHM</i>	4,642,671	02/1987	Rohsler et al.			
	4,801,998	01/1989	Okuaki			
	4,862,245	08/1989	Pashby et al.			
	4,873,615	10/1989	Grabbe			
	4,931,852	06/1990	Brown et al.			
	4,942,140	07/1990	Ootsuki et al.			
	4,961,107	10/1990	Geist et al.			
	4,984,059	01/1991	Kubota et al.			
	5,051,275	09/1991	Wong			
	5,071,787	12/1991	Mori et al.			
	5,081,067	01/1992	Shimizu et al.			
	5,101,465	03/1992	Murphy			
<i>JHM</i>	5,108,955	04/1992	Ishida et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation
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<i>JHM</i>	62-109326	05/1987	Japan			
	62-115834	05/1987	Japan			
	62-261133	11/1987	Japan			
<i>JHM</i>	2-306639	12/1990	Japan			
OTHER DOCUMENTS						
(Including Author, Title, Date, Pertinent Pages, Etc.)						
<i>JHM</i>	Smith, <i>Packaging to Beat the Heat</i> , Semiconductor International (November 1997), pages 73-76.					
	<i>Die Attach Products</i> , Johnson Matthey Electronics, Product Data (07/01/94), 6 pages.					
<i>JHM</i>	Product Bulletin, Dexter Electronic Materials Division (undated), 2 pages.					
EXAMINER	DATE CONSIDERED					
<i>Ex. M. Hembree</i>	11/27/04					
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			Applicant David R. Hembree	10/792044			
			Filing Date March 3, 2004	2813 Group Art Unit Unknown			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>JMM</i>	5,120,665	06/1992	Tsukagoshi et al.				
	5,144,747	09/1992	Eichelberger				
	5,173,764	12/1992	Higgins, III				
	5,175,613	12/1992	Barker, III et al.				
	5,182,173	01/1993	Swei				
	5,184,208	02/1993	Sakuta et al.				
	5,194,930	03/1993	Papathomas et al.				
	5,201,866	04/1993	Mok				
	5,218,759	06/1993	Juskey et al.				
	5,227,663	07/1993	Patil et al.				
	5,233,220	08/1993	Lamson et al.				
	5,239,200	08/1993	Messina et al.				
	5,249,101	09/1993	Frey et al.				
<i>JMM</i>	5,252,853	10/1993	Michii				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
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<i>JMM</i>	4-157758	05/1992	Japan				
	6-252299	09/1994	Japan				
<i>JMM</i>	522563	09/1992	Europe				
OTHER DOCUMENTS						(Including Author, Title, Date, Pertinent Pages, Etc.)	
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JHM</i>	5,286,679	02/1994	Farnworth et al.			
	5,289,346	02/1994	Carey et al.			
	5,291,064	03/1994	Kurokawa			
	5,304,842	04/1994	Farnworth et al.			
	5,311,060	05/1994	Rostoker et al.			
	5,344,795	09/1994	Hashemi et al.			
	5,358,598	10/1994	Chiu			
	5,358,904	10/1994	Murakami et al.			
	5,358,906	10/1994	Lee			
	5,371,044	12/1994	Yoshida et al.			
<i>JHM</i>	5,378,924	01/1995	Liang			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						YES
						NO
OTHER DOCUMENTS						
(Including Author, Title, Date, Pertinent Pages, Etc.)						
EXAMINER			DATE CONSIDERED			
<i>J. M. Hembree</i>			<i>11/27/04</i>			
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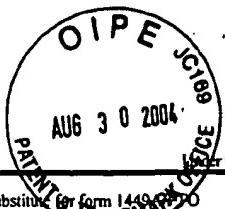
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JHM</i>	5,379,186	01/1995	Gold et al.			
	5,379,187	01/1995	Lee et al.			
	5,379,191	01/1995	Carey et al.			
	5,385,869	01/1995	Liu et al.			
	5,387,554	02/1995	Liang			
	5,394,303	02/1995	Yamaji			
	5,396,403	03/1995	Patel			
	5,432,127	07/1995	Lamson et al.			
	5,432,675	07/1995	Sorimachi et al.			
	5,434,105	07/1995	Liou			
<i>JHM</i>	5,436,203	07/1995	Lin			
FOREIGN PATENT DOCUMENTS						
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						YES
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<i>JW Hembree</i>	11/27/04					
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>JHM</i>	5,438,216	08/1995	Juskey et al.				
	5,441,684	08/1995	Lee				
	5,450,283	09/1995	Lin et al.				
	5,455,200	10/1995	Bigler et al.				
	5,455,457	10/1995	Kurokawa				
	5,461,255	10/1995	Chan et al.				
	5,468,995	11/1995	Higgins, III				
	5,477,082	12/1995	Buckley, III et al.				
	5,488,254	01/1996	Nishimura et al.				
	5,489,538	02/1996	Rostoker et al.				
<i>JHM</i>	5,489,801	02/1996	Blish, II				
	5,541,446	07/1996	Kierse				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
OTHER DOCUMENTS <small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>							
EXAMINER <i>E. Hembree</i>			DATE CONSIDERED 4/27/04				
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>JHM</i>	5,552,635	09/1996	Kim et al.				
	5,579,573	12/1996	Baker et al.				
	5,594,282	01/1997	Otsuki				
	5,596,231	01/1997	Combs				
	5,598,034	01/1997	Wakefield				
	5,604,376	02/1997	Hamburgen et al.				
	5,610,442	03/1997	Schneider et al.				
	5,641,997	06/1997	Ohta et al.				
	5,652,461	07/1997	Ootsuki et al.				
	5,656,857	08/1997	Kishita				
<i>JHM</i>	5,659,952	08/1997	Kovac et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
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(Including Author, Title, Date, Pertinent Pages, Etc.)							
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JHM</i>	5,663,106	09/1997	Karavakis et al.			
	5,672,548	09/1997	Culnane et al.			
	5,681,757	10/1997	Hayes			
	5,701,034	12/1997	Marts			
	5,705,851	01/1998	Mostafazadeh et al.			
	5,891,753	04/1999	Akram			
	5,898,571	04/1999	Mertol			
	5,905,638	05/1999	MacDonald, Jr. et al.			
	5,909,056	06/1999	Mertol			
	5,931,222	08/1999	Toy et al.			
	5,969,947	10/1999	Johnson et al.			
<i>JHM</i>	6,081,027	06/2000	Akram			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						YES
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			Applicant David R. Hembree		10 792244	
			Filing Date March 3, 2004		Group Art Unit Unknown	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JHM</i>	6,117,797	09/2000	Hembree			
	6,121,680	09/2000	Chiu et al.			
	6,190,945	02/2001	Akram			
	6,229,204	05/2001	Hembree			
	6,232,152	05/2001	DiStefano et al.			
	6,249,436	06/2001	Bollesen			
	6,251,707	06/2001	Bernier et al.			
	6,263,566	07/2001	Hembree et al.			
	6,432,497	08/2002	Bunyan			
	6,432,511	08/2002	Davis et al.			
	6,432,840	08/2002	Hembree			
	6,451,709	09/2002	Hembree			
	6,534,858	03/2003	Akram et al.			
	6,534,859	03/2003	Shim et al.			
	6,596,565	07/2003	Hembree			
<i>JHM</i>	6,630,371	10/2003	Hembree			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						YES
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<i>JHM</i>	<i>11/27/04</i>					
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

~~Substitute for form 1440~~

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

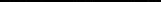
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Substitute for Form 1449 TRADEMARK		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/792,244
(use as many sheets as necessary)		Filing Date	March 3, 2004
		First Named Inventor	David R. Hembree
		Group Art Unit	2811
		Examiner Name	Unknown
Sheet	1	of	1
		Attorney Docket Number	2269-3592.10US (97-0321.10/US)

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	11/27/07
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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